

What is claimed is:

1. An integrated security gateway apparatus interfacing with an internal network and an external network for blocking a selected packet from the internal network or external network, comprising:

a packet duplicating module for receiving and duplicating an incoming packet from one of the internal and external networks;

a black zone server coupled to the packet duplicating module for analyzing the duplicated packet; and

an inspection engine coupled to the packet duplicating module and the block zone server for inspecting whether the received incoming packet corresponds to said selected packet to be blocked based on the analysis in the block zone server,

wherein said black zone server serves as at least one of an intrusion detection system, an anti-virus system and a noxious site blocking system.

2. The apparatus of claim 1, wherein the external network is the Internet.

3. The apparatus of claim 1, wherein said internal network is a local area network.

4. The apparatus of claim 1, further comprising encrypting/decrypting means for encrypting the received

incoming packet if said received packet is from the internal network to the external network and decrypting otherwise.

5 5. The apparatus of claim 4, wherein said
encrypting/decrypting means uses different keys depending on
the source and the destination of the received packet.

6. A networking system consisting of at least one
internal network and an external network, comprising:

10 an integrated security gateway interfacing with said
at least one internal network and said external network for
receiving and duplicating an incoming packet from one of the
internal and external networks; and

15 a black zone server coupled to the integrated security
gateway for analyzing the duplicating packet,

 said integrated security gateway inspecting whether
the received incoming packet is to be denied based on the
analysis in the black zone server.

20 7. The system of claim 6, wherein the external network is
the Internet.

8. The system of claim 6, wherein said internal network
is a local area network.

25

9. The system of claim 6, wherein said integrated

security gateway encrypts the received packet if said received packet is from the internal network to the external network and decrypts otherwise.

- 5 10. The system of claim 9, wherein said integrated security gateway uses different keys depending on the source and the destination of the received packet.